

SECTION B.

DETAILED STATISTICAL TABLES:

FEDERAL SCIENCE AND

ENGINEERING OBLIGATIONS

To obtain accurate historical data, use only the latest detailed statistical tables (covering FY 1995) and not data published earlier. Data presented in trend tables are assembled from the most recent completed survey cycle. Data for prior years are reviewed for consistency with current-year responses and, when necessary, are revised in consultation with agencies and/or institutions. For that reason, references to prior-years' data should be restricted to those published in this document.

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Table B-1. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity: fiscal years 1963-95

[Thousands of dollars]

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Fiscal year	Total	Research and development ¹	R&D plant ¹	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities ¹
1963	1,328,511	829,524	105,896	(2)	(2)	(2)	393,091
1964	1,528,604	975,597	100,837	(2)	(2)	(2)	452,170
1965	1,816,171	1,094,963	126,196	(2)	(2)	(2)	595,012
1966	2,163,504	1,252,146	114,767	(2)	365,560	(2)	431,031
1967	2,323,795	1,301,242	111,309	(2)	447,236	(2)	464,008
1968	2,349,817	1,398,305	96,148	(2)	440,895	(2)	414,469
1969	2,361,399	1,474,681	54,516	(2)	436,270	(2)	395,932
1970	2,187,579	1,446,618	44,778	(2)	429,408	(2)	266,775
1971	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369
1972	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592
1973	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788
1974	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691
1975	2,805,877	2,246,182	44,787	5,026	201,273	46,353	262,256
1976	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223
1977	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968
1978	3,962,500	3,388,438	34,328	4,906	205,925	74,398	254,505
1979	4,473,529	3,874,384	32,068	6,743	204,866	92,483	262,985
1980	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211
1981	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499
1982	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387
1983	5,680,631	5,024,330	37,547	2,522	189,616	94,847	331,769
1984	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057
1985	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549
1986	7,430,872	6,456,743	105,827	4,990	246,196	111,130	505,986
1987	8,567,284	7,241,001	229,875	13,722	290,942	236,933	554,811
1988	9,136,277	7,719,237	202,907	13,345	309,348	171,826	719,614
1989	10,076,017	8,523,952	237,010	16,911	340,458	197,745	759,941
1990	10,445,417	9,008,083	124,841	19,241	393,820	143,917	755,515
1991	11,835,370	10,031,252	151,808	32,792	469,297	192,823	957,398
1992	12,749,593	10,845,509	204,722	38,504	509,774	159,244	991,840
1993	12,751,061	10,943,370	259,421	32,357	525,959	66,087	923,867
1994	13,774,695	11,806,116	214,385	49,398	633,625	136,729	934,442
1995	14,346,042	12,068,442	335,210	52,859	673,695	264,570	951,266

¹ See Technical Notes, "Scope of Survey."

² Not separately identified, but included under "Other S&E activities."

NOTE: Some trend shifts are related to institutional reclassification. Beginning in 1978 two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are included in the academic figures beginning in 1978. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology (MIT) as of fiscal year 1974 to become an independent nonprofit institution; data for this laboratory are included in MIT's figures prior to 1974.

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995

**Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges,
by type of activity and agency: fiscal years 1963-95**

[Millions of dollars]

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Fiscal year	Total	USDA	Com	DoD 1	OEO	ED 1	DOE 2	EPA	HHS	HUD	Int	AID 3	Labor	NASA	NSF	NRC	DOT	
Total																		
1963	1,328.5	104.0	1.8	218.0	NA	NA	76.1	NA	581.0	NA	3.8	NA	NA	87.4	256.3	NA	NA	
1964	1,528.6	115.0	1.7	258.1	NA	NA	79.9	NA	683.8	NA	5.0	NA	NA	107.6	277.5	NA	NA	
1965	1,816.2	135.6	2.6	267.9	NA	NA	84.4	NA	856.5	NA	9.6	NA	NA	134.3	325.2	NA	NA	
1966	2,163.5	141.0	2.8	278.0	NA	NA	96.9	NA	1,109.2	NA	19.0	NA	NA	142.2	374.5	NA	NA	
1967	2,323.8	144.8	4.4	264.1	NA	NA	109.6	NA	1,251.0	NA	23.9	NA	NA	131.5	394.5	NA	NA	
1968	2,349.8	144.2	8.0	243.1	12.5	NA	119.7	NA	1,229.4	1.7	28.2	NA	6.6	129.8	422.8	NA	3.7	
1969	2,361.4	155.9	2.2	278.7	9.3	NA	121.0	NA	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	NA	NA	
1970	2,187.6	182.1	3.9	265.5	18.9	NA	114.5	NA	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	NA	10.1	
1971	2,343.1	214.6	7.6	249.0	16.4	NA	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	NA	10.8	
1972	2,599.1	238.6	26.0	243.9	8.3	NA	95.4	23.3	1,318.4	1.5	24.3	18.7	7.3	119.0	458.7	NA	15.9	
1973	2,464.4	256.8	28.4	232.9	8.7	NA	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	NA	15.9	
1974	2,737.0	260.7	29.4	184.4	4.1	NA	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	NA	12.8	
1975	2,805.9	290.7	25.8	190.5	NA	NA	124.3	38.8	1,467.4	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8	
1976	2,959.7	328.6	38.2	211.9	NA	NA	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	3.2	15.7	
1977	3,351.3	343.2	32.5	267.3	NA	NA	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	4.5	10.9	
1978	3,962.5	391.7	35.9	452.3	NA	NA	267.2	57.4	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5	
1979	4,473.5	422.5	48.0	528.7	NA	NA	273.9	66.9	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4	
1980	4,791.0	444.1	51.6	555.9	NA	NA	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	NA	NA	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.8	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	NA	NA	35.6	288.2	83.8	2,332.8	2.6	28.3	50.4	8.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.3	NA	NA	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	NA	NA	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	NA	NA	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	NA	NA	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,567.3	674.7	88.8	1,278.5	NA	NA	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	15.3
1988	9,136.3	741.7	81.4	1,377.4	NA	NA	255.6	536.2	66.2	4,486.2	**	41.6	48.5	8.0	363.7	1,102.0	3.6	24.2
1989	10,076.0	721.7	74.0	1,486.4	NA	NA	269.6	566.1	85.8	4,916.8	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	25.1
1990	10,445.4	762.1	110.4	1,342.2	NA	NA	260.1	556.2	93.6	5,200.7	.1	60.5	47.4	8.6	511.3	1,445.1	4.6	42.6
1991	11,835.4	867.5	121.9	1,539.6	NA	NA	354.1	662.0	115.9	5,769.0	**	82.8	31.9	5.8	592.9	1,642.3	5.4	44.1
1992	12,749.6	941.9	129.2	1,509.7	NA	NA	402.3	706.3	150.0	6,214.4	.2	79.7	27.6	9.2	684.7	1,830.1	5.9	58.3
1993	12,751.1	940.5	109.8	1,834.1	NA	NA	156.4	736.5	152.7	6,023.1	.4	77.7	11.5	6.6	729.1	1,869.1	4.8	98.8
1994	13,774.7	939.6	163.0	1,889.0	NA	NA	170.9	635.7	144.6	6,890.1	.8	64.3	12.8	4.8	740.1	2,042.1	6.3	70.4
1995	14,346.0	943.6	175.8	1,850.9	NA	NA	187.9	635.2	164.5	7,036.2	1.7	54.5	167.6	6.0	823.9	2,210.1	6.0	82.0

See explanatory information, if any, and SOURCE at end of table.

**Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges,
by type of activity and agency: fiscal years 1963-95**

[Millions of dollars]

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Fiscal year	Total	USDA	Com	DoD 1	OEO	ED 1	DOE 2	EPA	HHS	HUD	Int	AID 3	Labor	NASA	NSF	NRC	DOT	
Research and development																		
1963	829.5	40.6	1.5	218.0	NA	NA	68.3	NA	332.9	NA	3.8	NA	NA	59.8	104.6	NA	NA	
1964	975.6	47.5	1.1	258.1	NA	NA	70.5	NA	399.2	NA	5.0	NA	NA	78.2	115.8	NA	NA	
1965	1,095.0	59.1	2.1	267.9	NA	NA	74.8	NA	441.9	NA	9.5	NA	NA	100.6	139.2	NA	NA	
1966	1,252.1	62.9	2.1	278.0	NA	NA	83.2	NA	507.3	NA	18.7	NA	NA	107.4	192.5	NA	NA	
1967	1,301.2	64.0	3.4	264.1	NA	NA	89.7	NA	577.0	NA	23.9	NA	NA	109.0	170.2	NA	NA	
1968	1,398.3	62.2	6.7	243.1	12.5	NA	101.8	NA	619.1	1.0	27.8	NA	6.6	126.1	187.7	NA	3.7	
1969	1,474.7	63.6	1.7	278.7	9.3	NA	103.1	NA	667.1	1.0	23.5	3.9	9.1	122.3	191.5	NA	NA	
1970	1,446.6	67.4	3.2	265.5	18.9	NA	101.4	NA	614.9	.5	27.1	5.5	3.5	127.4	201.2	NA	10.1	
1971	1,551.4	74.8	6.9	249.0	16.4	NA	95.9	17.0	695.7	.7	21.3	17.1	3.3	128.5	216.9	NA	8.0	
1972	1,853.1	88.6	23.6	243.9	8.3	NA	86.9	17.7	879.3	1.5	23.0	13.5	7.3	112.4	334.7	NA	12.4	
1973	1,870.7	93.8	24.9	232.9	8.7	NA	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	NA	15.2	
1974	2,085.2	96.7	26.6	184.4	3.4	NA	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	NA	11.5	
1975	2,246.2	110.5	22.2	190.5	NA	NA	119.2	33.8	1,205.3	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1	
1976	2,431.0	124.2	29.0	211.9	NA	NA	138.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9	
1977	2,803.0	142.2	32.2	267.3	NA	NA	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6	
1978	3,388.4	175.3	35.0	452.3	NA	NA	251.1	53.8	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4	
1979	3,874.4	193.8	46.5	528.7	NA	NA	256.4	61.1	1,966.5	4.0	35.3	28.0	11.1	137.2	587.8	6.5	11.4	
1980	4,160.5	211.8	50.4	555.9	NA	NA	48.0	279.6	76.9	2,025.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	NA	NA	56.1	281.8	64.2	2,112.8	3.0	30.2	31.3	12.8	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	NA	NA	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.4	NA	NA	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.8	NA	NA	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	NA	NA	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	NA	NA	72.2	346.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	NA	NA	85.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	NA	NA	69.6	407.7	64.1	4,128.3	**	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,524.0	336.0	66.0	1,220.6	NA	NA	68.6	449.5	77.5	4,512.6	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
1990	9,008.1	349.1	97.3	NA	NA	NA	71.1	496.9	87.1	4,776.8	.1	57.8	47.4	8.6	470.7	1,304.6	4.6	39.2
1991	10,031.3	408.8	61.9	NA	NA	NA	94.5	613.9	104.3	5,305.0	**	70.2	31.9	5.8	533.7	1,438.6	5.4	33.9
1992	10,845.5	465.2	66.9	NA	NA	NA	104.6	633.2	135.4	5,788.4	.2	67.6	27.6	9.0	586.6	1,604.1	5.9	36.4
1993	10,943.4	462.4	58.4	NA	NA	NA	94.8	602.4	142.6	5,609.9	.4	69.8	11.5	6.2	601.4	1,615.7	4.8	75.9
1994	11,806.1	470.6	84.2	NA	NA	NA	49.2	602.9	134.6	6,402.4	.8	63.8	12.8	4.5	634.5	1,679.2	6.3	59.7
1995	12,068.4	440.6	95.0	NA	NA	NA	67.5	601.0	148.7	6,511.5	1.7	54.5	25.4	5.9	696.2	1,732.0	6.0	72.9
DoD research only ⁴																		
1990	NA	NA	NA	720.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1991	NA	NA	NA	840.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1992	NA	NA	NA	838.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1993	NA	NA	NA	1,130.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1994	NA	NA	NA	1,255.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1995	NA	NA	NA	1,106.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DoD development only ⁴																		
1990	NA	NA	NA	476.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1991	NA	NA	NA	482.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1992	NA	NA	NA	475.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1993	NA	NA	NA	456.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DoD advanced technology development ⁴																		
1994	NA	NA	NA	157.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1995	NA	NA	NA	152.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DoD major systems development ⁴																		
1994	NA	NA	NA	187.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1995	NA	NA	NA	350.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See explanatory information, if any, and SOURCE at end of table.

**Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges,
by type of activity and agency: fiscal years 1963-95**

[Millions of dollars]

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Fiscal year	Total	USDA	Com	DoD 1	OEO	ED 1	DOE 2	EPA	HHS	HUD	Int	AID 3	Labor	NASA	NSF	NRC	DOT
R&D plant 1																	
1963	105.9	.0	.0	.0	NA	NA	2.6	NA	39.2	NA	0.1	NA	NA	13.4	50.6	NA	NA
1964	100.8	.0	.0	.0	NA	NA	4.0	NA	39.9	NA	.0	NA	NA	9.1	47.8	NA	NA
1965	126.2	3.2	.0	.0	NA	NA	3.8	NA	54.8	NA	**	NA	NA	8.4	56.0	NA	NA
1966	114.8	2.0	.0	.0	NA	NA	7.4	NA	48.5	NA	.2	NA	NA	7.4	49.3	NA	NA
1967	111.3	2.0	0.3	.0	NA	NA	13.8	NA	38.1	NA	.0	NA	NA	5.0	52.1	NA	NA
1968	96.1	1.9	.2	.0	.0	NA	11.9	NA	36.9	.0	.0	NA	.0	.0	45.3	NA	.0
1969	54.5	1.2	.0	.0	.0	NA	11.4	NA	20.5	.0	**	.0	.0	.0	21.4	NA	NA
1970	44.8	1.1	**	.0	.0	NA	7.1	NA	20.0	.0	.0	.0	.0	.0	16.5	NA	.0
1971	29.9	.0	.0	.0	.0	NA	4.8	.0	15.2	.0	.0	.0	.0	.0	9.7	NA	.0
1972	36.9	.0	.0	.0	NA	NA	4.1	.0	22.2	.0	.0	.0	.0	.0	10.0	NA	.0
1973	43.3	.0	.3	.0	.0	NA	5.6	.0	26.7	.0	.2	.0	.0	3.0	7.4	NA	.0
1974	29.0	.0	.0	.0	.0	NA	4.2	.0	14.5	.0	.0	.0	.0	.1	10.2	NA	.0
1975	44.8	.0	.0	.0	NA	NA	4.2	.0	22.9	.0	.0	.0	.0	.1	17.6	.0	.0
1976	23.9	.0	1.0	.0	NA	NA	5.6	.0	11.4	.0	.0	.0	.0	.1	5.9	.0	.0
1977	36.5	0	0	0	NA	NA	17.5	0	11.1	0	0	0	0	**	7.3	0	0.5
1978	34.3	.0	.0	.0	NA	NA	13.4	**	9.9	.0	.0	.0	.0	.0	11.0	.0	**
1979	32.1	.0	.0	.0	NA	NA	9.1	.0	7.5	.0	.0	0.5	.0	.2	14.7	.0	.0
1980	37.8	.0	.0	.0	NA	NA	.0	20.6	.0	4.4	.0	.0	.0	.0	12.6	.0	.0
1981	27.7	.0	.0	1.1	NA	NA	.0	19.6	.0	2.0	.0	.0	.0	.0	1.1	4.9	.0
1982	31.2	.0	.0	.5	NA	NA	.0	18.8	1.4	5.4	.0	.0	.0	.0	4.9	.0	.0
1983	37.5	9.6	.0	.0	NA	NA	.0	17.2	.1	1.5	.0	.0	.0	.0	1.5	7.7	.0
1984	49.8	9.6	.0	.0	NA	NA	.0	29.5	.1	.7	.0	.0	.0	.0	3.9	9.7	.0
1985	113.9	9.6	.0	**	NA	NA	.0	77.7	.1	11.4	.0	.0	.0	.0	2.2	14.9	.0
1986	105.8	9.1	1.2	.0	NA	NA	1.8	73.0	.0	4.2	.0	.0	.0	.0	.4	16.0	.0
1987	229.9	65.4	.1	.0	NA	NA	49.2	102.9	.0	4.2	.0	.0	.0	.0	.6	7.4	.0
1988	202.9	68.0	.0	.0	NA	1.3	127.7	.0	.0	.0	.0	.0	.0	.0	.6	5.4	.0
1989	237.0	31.1	1.2	57.9	NA	1.3	115.5	.0	22.0	.0	.0	.0	.0	1.2	6.7	.0	.0
1990	124.8	45.1	.1	.0	NA	NA	.0	57.2	.0	13.7	.0	.0	.0	.0	1.3	7.5	.0
1991	151.8	58.3	.3	14.7	NA	2.1	41.4	.0	25.5	.0	.0	.0	.0	.8	8.8	.0	.0
1992	204.7	58.3	.2	.0	NA	NA	.4	63.7	.0	17.2	.0	.0	.0	.0	1.1	63.8	.0
1993	259.4	55.1	.4	.0	NA	NA	.0	120.2	.0	10.6	.0	.0	.0	.0	9.9	63.3	.0
1994	214.4	38.8	.3	.3	NA	NA	.0	24.8	.0	16.3	.0	.1	.0	.0	20.0	113.7	.0
1995	335.2	66.9	2.0	5.8	NA	NA	.0	15.5	.0	12.3	.0	.0	.0	0.1	15.8	216.8	.0
Facilities for instruction in S&E																	
1971 ⁵	28.7	0.3	.0	.0	.0	NA	2.3	.0	13.9	.0	0.1	.0	.0	.0	12.1	NA	.0
1972	26.3	.5	.0	.0	.0	NA	1.9	.0	20.9	.0	.0	.0	.0	.0	3.0	NA	.0
1973	13.4	.0	.0	.0	.0	NA	2.3	.0	9.4	.0	.1	.0	.0	.0	1.6	NA	.0
1974	3.5	.0	.0	.0	.0	NA	.0	.0	.4	.0	**	.0	.0	.0	3.1	NA	.0
1975	5.0	.0	0.1	.0	NA	NA	.0	.0	4.9	.0	.0	.0	.0	.0	**	0	0
1976	3.2	.0	.3	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0
1977	3.3	.0	.0	.0	NA	NA	.4	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0
1978	4.9	.0	.0	.0	NA	NA	1.3	.0	.0	.0	**	.0	.0	.0	3.5	.0	.0
1979	6.7	.0	.0	.0	NA	NA	3.5	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1980	3.8	.0	.0	.0	NA	NA	.0	.9	0.1	.0	.0	.0	.0	.0	2.8	.0	.0
1981	4.6	.0	.0	0.2	NA	NA	.0	1.1	**	.0	.0	.0	.0	.0	3.2	.0	.0
19828	.0	.0	**	NA	NA	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1983	2.5	.0	.0	**	NA	NA	.0	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0
1984	1.9	.0	1.6	.3	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1985	4.9	.0	.0	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	4.8	0.1	.0
1986	5.0	.0	.0	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0
1987	13.7	.0	.0	.0	NA	NA	5.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0
1988	13.3	.0	2.5	.0	NA	NA	.0	.0	.0	.0	.4	.0	.0	.0	10.4	.0	.0
1989	16.9	.0	1.6	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	15.3	.0	.0
1990	19.2	.0	4.5	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	14.7	.0	.0
1991	32.8	.0	4.7	.1	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	21.8	.0	6.2
1992	38.5	.0	7.0	.0	NA	NA	.0	1.3	.0	.0	.0	.0	.0	.0	21.2	.0	9.0
1993	32.4	.0	4.0	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	21.2	.0	7.1
1994	49.4	.0	3.3	21.8	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	20.2	.0	4.1
1995	52.9	.6	3.3	29.8	NA	NA	.0	.2	.0	.0	.0	.0	.0	.0	17.7	.0	1.3

See explanatory information, if any, and SOURCE at end of table.

**Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges,
by type of activity and agency: fiscal years 1963-95**

[Millions of dollars]

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Fiscal year	Total	USDA	Com	DoD 1	OEO	ED 1	DOE 2	EPA	HHS	HUD	Int	AID 3	Labor	NASA	NSF	NRC	DOT	
Fellowships, traineeships, and training grants																		
1966 ⁵	365.6	NA	.0	NA	NA	NA	3.2	NA	289.9	NA	.0	NA	NA	25.0	47.5	NA	NA	
1967	447.2	NA	.0	NA	NA	NA	3.7	NA	379.1	NA	.0	NA	NA	15.0	49.4	NA	NA	
1968	440.9	NA	.0	NA	.0	NA	3.6	NA	387.0	NA	.0	NA	.0	.9	49.4	NA	.0	
1969	436.3	NA	.0	NA	.0	NA	5.5	NA	375.7	NA	.0	NA	.0	1.3	53.8	NA	NA	
1970	429.4	NA	.0	NA	.0	NA	5.0	NA	369.6	NA	.0	NA	.0	2.1	52.7	NA	.0	
1971	421.0	.0	**	.0	.0	NA	2.6	10.1	361.4	.0	**	.0	0.6	1.0	42.3	NA	2.8	
1972	387.9	.0	0.4	.0	.0	NA	2.0	5.6	346.6	.0	.0	0.0	1.1	28.8	NA	3.5		
1973	287.2	.0	.6	.0	.0	NA	2.3	9.2	256.8	.0	.0	.0	1.3	16.4	NA	.7		
1974	326.6	.0	**	.0	.7	NA	.5	6.8	301.5	.0	.0	.0	1.2	14.4	NA	1.3		
1975	201.3	.0	**	.0	NA	NA	.7	5.0	181.7	.0	.0	.0	1.3	9.7	.0	2.7		
1976	174.9	.0	.0	.0	NA	NA	.1	3.6	155.6	.0	.0	.0	1.3	13.4	**	.8		
1977	184.7	.0	.0	.0	NA	NA	.2	1.3	165.9	.0	.0	.0	1.4	14.8	0.1	.8		
1978	205.9	.0	.0	.0	NA	NA	.7	3.6	184.2	.0	3.2	0.6	.0	1.3	11.7	**	.6	
1979	204.9	.0	.0	.0	NA	NA	1.9	4.5	182.3	.0	.3	0.0	0.0	1.8	14.1	.0	0	
1980	210.1	.0	.0	.0	NA	NA	.0	4.5	187.6	.0	1.4	0.0	0.0	2.8	13.8	.0	0	
1981	205.4	.0	.0	.0	NA	NA	.0	2.4	183.5	.0	.9	0.0	0.0	3.7	14.8	.1	0	
1982	176.6	.0	.0	.0	NA	NA	.0	3.5	151.9	.0	.0	.0	0.0	4.2	17.5	.0	.4	
1983	189.6	0.2	.2	0.7	NA	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3	
1984	194.9	.2	.1	.0	NA	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4	
1985	253.1	7.0	.1	.8	NA	.0	.4	2.1	210.9	.0	.0	.0	.0	5.6	25.8	.0	.4	
1986	246.2	4.7	.0	.5	NA	.0	.5	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2	
1987	290.9	4.7	.6	2.3	NA	11.8	.6	1.8	232.5	.0	.0	.0	.0	8.7	27.7	.0	.2	
1988	309.3	4.6	2.6	1.5	NA	13.5	.7	2.0	239.3	.0	.0	.0	**	15.8	29.2	.0	.0	
1989	340.5	4.6	1.2	.1	NA	22.9	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2	
1990	393.8	7.8	.7	.1	NA	28.5	1.6	3.5	288.9	.0	**	.0	.0	21.7	41.0	.0	.1	
1991	469.3	10.9	3.9	1.3	NA	53.9	6.7	8.0	313.2	.0	.0	.0	.0	36.3	34.5	.0	.6	
1992	509.8	10.5	4.0	2.7	NA	63.8	8.1	10.6	320.3	.0	.0	.0	.0	.1	40.4	46.1	.0	3.0
1993	526.0	10.5	2.1	2.2	NA	57.7	13.8	8.1	335.4	.0	.0	.0	.4	42.1	47.8	.0	5.9	
1994	633.6	10.2	4.7	25.9	NA	99.0	1.9	9.2	387.7	.0	**	.0	.3	43.9	46.1	.0	4.6	
1995	673.7	14.5	3.9	4.4	NA	96.3	2.9	15.8	418.2	.0	.0	2.8	.0	57.4	51.5	.0	5.8	
General support for S&E																		
1971 ⁵	99.7	.0	0.2	.0	.0	NA	.0	.0	40.2	.0	1.1	.0	1.2	.0	56.9	NA	.0	
1972	83.3	.0	1.5	.0	.0	NA	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	NA	.0	
1973	39.0	.0	.0	.0	.0	NA	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	NA	.0	
1974	87.0	.0	.5	.0	.0	NA	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	NA	.0	
1975	46.4	.0	1.8	.0	NA	NA	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	0	.0	
1976	74.5	.0	4.4	.0	NA	NA	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0	
1977	75.9	.0	.0	.0	NA	NA	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	0.7	.0	
1978	74.4	.0	.0	.0	NA	NA	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	0.3	
1979	92.5	4.7	.0	.0	NA	NA	**	1.3	52.8	.0	4.4	.0	.0	.0	29.3	.0	.0	
1980	91.5	.0	.0	.0	NA	.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0	
1981	92.7	.0	.0	7.1	NA	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7	
1982	80.1	.0	.0	4.8	NA	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0	
1983	94.8	.0	.0	3.2	NA	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0	
1984	112.6	.0	20.3	3.7	NA	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0	
1985	119.2	.0	**	1.8	NA	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0	
1986	111.1	.0	**	2.1	NA	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0	
1987	236.9	.0	.0	5.9	NA	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0	
1988	171.8	.0	.0	2.5	NA	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0	
1989	197.7	.0	.0	1.8	NA	80.2	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0	
1990	143.9	.0	1.0	.0	NA	30.1	.5	3.1	102.2	.0	2.7	.0	.0	.0	4.3	.0	.0	
1991	192.8	.0	29.4	.0	NA	32.1	.2	3.5	108.7	.0	12.5	.0	.0	.0	6.4	.0	.0	
1992	159.2	.0	28.2	.0	NA	36.5	.0	4.0	69.3	.0	12.1	.0	.0	.0	7.7	.0	1.5	
1993	66.1	**	15.0	**	NA	4.0	.0	1.9	26.6	.0	7.8	.0	.0	.0	9.8	.0	.8	
1994	136.7	.0	43.1	2.8	NA	7.4	6.1	.9	63.5	.0	.2	.0	.0	.0	12.1	.0	.5	
1995	264.6	.0	55.7	5.7	NA	6.2	15.5	.0	58.7	.0	.0	107.3	.0	.0	14.9	.0	.5	

See explanatory information, if any, and SOURCE at end of table.

**Table B-2. Federal obligations for science and engineering (S&E) to universities and colleges,
by type of activity and agency: fiscal years 1963-95**

[Millions of dollars]

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Fiscal year	Total	USDA	Com	DoD ¹	OEO	ED ¹	DOE ²	EPA	HHS	HUD	Int	AID ³	Labor	NASA	NSF	NRC	DOT	
Other S&E activities																		
1963	393.1	63.4	0.3	.0	NA	NA	5.3	NA	208.9	NA	**	NA	NA	14.1	101.1	NA	NA	
1964	452.2	67.5	.5	.0	NA	NA	5.4	NA	244.6	NA	**	NA	NA	20.2	113.9	NA	NA	
1965	595.0	73.3	.6	.0	NA	NA	5.9	NA	359.8	NA	**	NA	NA	25.4	130.1	NA	NA	
1966	431.0	76.1	.7	.0	NA	NA	3.1	NA	263.4	NA	0.2	NA	NA	2.3	85.2	NA	NA	
1967	464.0	78.8	.7	.0	NA	NA	2.5	NA	256.7	NA	**	NA	NA	2.4	122.8	NA	NA	
1968	414.5	80.1	1.0	.0	.0	NA	2.5	NA	186.4	0.7	.4	NA	.0	2.8	140.5	NA	**	
1969	395.9	91.1	.5	**	.0	NA	1.0	NA	198.4	.1	.9	.0	.0	3.7	100.2	NA	NA	
1970	266.8	113.5	.7	**	.0	NA	1.0	NA	32.2	.0	.6	.0	.0	1.7	117.0	NA	.0	
1971	212.4	139.5	.5	.0	.0	NA	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	NA	.0	
1972	211.6	149.5	.6	.0	.0	NA	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	NA	.0	
1973	210.8	163.0	2.7	.0	.0	NA	.8	.0	8.0	.0	.0	.0	.0	.4	4.5	31.4	NA	.0
1974	205.7	164.0	2.2	.0	.0	NA	.2	.0	5.7	.0	.0	.0	.0	.5	5.7	27.9	NA	.0
1975	262.3	180.2	1.7	.0	NA	NA	.1	.0	15.3	.0	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	NA	NA	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0	
1977	248.0	201.0	.3	.0	NA	NA	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0	
1978	254.5	216.4	.9	.0	NA	NA	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	0.2	
1979	263.0	224.0	1.5	.0	NA	NA	3.0	0.1	6.9	.0	.0	.0	.0	4.7	22.4	0.4	.0	
1980	287.2	232.3	1.2	.0	NA	NA	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	NA	NA	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.8	38.2	NA	NA	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	NA	NA	.0	**	.5	2.8	**	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	NA	NA	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0
1985	520.5	335.7	1.4	149.5	NA	NA	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	NA	NA	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	554.8	308.6	.6	171.4	NA	NA	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	1.8
1988	719.6	347.9	.5	179.3	NA	NA	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	2.9
1989	759.9	349.9	3.8	206.1	NA	NA	96.6	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	3.1
1990	755.5	360.0	6.8	145.2	NA	NA	130.4	.0	.0	19.2	.0	.0	.0	.0	17.5	73.0	.0	3.3
1991	957.4	389.4	21.8	200.2	NA	NA	171.6	.0	.1	16.6	.0	.1	.0	.0	22.1	132.1	.0	3.5
1992	991.8	408.0	22.9	192.6	NA	NA	197.0	.0	.1	19.2	.0	.0	.0	.0	56.5	87.2	.0	8.3
1993	923.9	412.6	29.9	244.9	NA	NA	.0	.0	.1	40.5	.0	.0	.0	**	75.7	111.2	.0	9.0
1994	934.4	419.9	27.3	237.5	NA	NA	15.3	.0	.0	20.2	.0	.2	.0	**	41.7	170.8	.0	1.5
1995	951.3	421.0	16.1	195.6	NA	NA	17.9	.0	.0	35.3	.0	.1	32.1	.0	54.5	177.3	.0	1.5

1 See Technical Notes, "Scope of Survey."

2 Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

3 During the fiscal year 1995 survey cycle, the Agency for International Development (AID) restructured its internal database and implemented a New Management System. As a result, AID's response to the fiscal year 1995 Federal support survey was produced using an interim reporting system. The significant differences between AID's fiscal year 1995 and prior year data can be attributed to this change in reporting systems. In addition, AID anticipates that future responses to the Federal support survey will differ from the fiscal year 1995 submission, since the interim reporting system will be refined to produce more accurate data.

4 Department of Defense (DoD) research is reported separately from DoD development. Fiscal year 1994 totals for the research and development portions are not comparable to other years; DoD was not able to provide comparable data. DoD states that more than 90 percent of its development reported for universities and colleges is performed at university-administered laboratories that are separate from the academic departments. Furthermore, DoD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DoD total development obligations are therefore not comparable with development obligations at other Federal agencies. Refer to table B-18 for DoD obligations to individual institutions, by research and development breakdowns.

5 Data collected before this year are not separately identified but are included under "Other S&E activities."

NOTE: Some trend shifts are related to institutional reclassification. Beginning in 1978 two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are included in the academic figures beginning in 1978. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology (MIT) as of fiscal year 1974 to become an independent nonprofit institution; data for this laboratory are included in MIT's figures prior to 1974.

KEY: USDA = U.S. Department of Agriculture

Com = Department of Commerce

DoD = Department of Defense

OEO = Office of Economic Opportunity

ED = Department of Education

DOE = Department of Energy

EPA = Environmental Protection Agency

HHS = Department of Health and Human Services

HUD = Department of Housing and Urban Development

Int = Department of the Interior

AID = Agency for International Development

Labor = Department of Labor

NASA = National Aeronautics and Space Administration

NSF = National Science Foundation

NRC = Nuclear Regulatory Commission

DOT = Department of Transportation

NA = Not available

** = Amount less than \$50,000

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995

**Table B-3. Federal obligations for science and engineering to universities and colleges,
by geographic division and State: fiscal years 1988-95**

[Thousands of dollars]

Page 1 of 2

Geographic division and State	1988	1989	1990	1991	1992	1993	1994	1995
United States, total	9,136,277	10,076,017	10,445,417	11,835,370	12,749,593	12,751,061	13,774,695	14,346,042
New England, total	960,239	1,050,489	1,080,855	1,185,425	1,274,966	1,299,502	1,308,177	1,368,752
Connecticut	200,431	212,825	211,615	227,412	248,516	250,100	258,814	257,255
Maine	10,567	13,472	14,400	14,106	16,958	21,668	22,575	19,184
Massachusetts	613,375	695,041	703,406	770,251	832,153	856,104	854,268	900,121
New Hampshire	41,049	40,744	56,636	62,151	72,275	69,368	64,945	70,103
Rhode Island	52,935	54,066	58,013	66,939	66,474	61,632	66,489	82,196
Vermont	41,882	34,341	36,785	44,566	38,590	40,630	41,086	39,893
Middle Atlantic, total	1,570,367	1,630,372	1,706,302	1,945,873	2,066,719	2,071,866	2,160,526	2,197,994
New Jersey	125,296	137,552	154,612	174,224	188,861	220,654	229,744	239,192
New York	922,455	953,671	961,595	1,051,542	1,128,751	1,063,118	1,134,116	1,126,660
Pennsylvania	522,616	539,149	590,095	720,107	749,107	788,094	796,666	832,142
East North Central, total	1,161,297	1,297,898	1,364,612	1,556,651	1,704,139	1,697,741	1,836,238	1,898,763
Illinois	341,794	376,132	388,966	426,257	449,704	457,096	505,034	523,130
Indiana	129,396	152,837	159,502	184,149	213,601	206,961	207,133	213,025
Michigan	265,190	293,996	311,395	359,383	417,197	418,722	434,401	454,417
Ohio	235,827	264,657	280,503	332,042	348,949	349,018	372,811	399,785
Wisconsin	189,090	210,276	224,246	254,820	274,688	265,944	316,859	308,406
West North Central, total	538,425	607,369	638,068	758,631	800,453	761,185	844,480	873,502
Iowa	113,183	123,733	130,267	152,203	155,419	154,487	176,398	164,088
Kansas	50,579	53,263	59,613	77,885	78,183	74,904	72,154	78,346
Minnesota	143,521	181,606	162,469	203,235	217,916	198,574	228,602	237,093
Missouri	163,943	178,844	197,703	215,486	238,567	228,773	261,041	275,337
Nebraska	33,682	36,412	41,753	57,590	56,959	50,555	55,209	60,153
North Dakota	24,074	21,944	34,656	38,145	38,548	37,358	33,338	40,871
South Dakota	9,443	11,567	11,607	14,087	14,861	16,534	17,738	17,614
South Atlantic, total	1,737,599	1,886,896	1,905,168	2,207,957	2,350,534	2,413,587	2,654,595	2,766,824
Delaware	18,654	19,806	21,401	24,797	32,522	31,341	35,277	39,375
District of Columbia	90,064	83,179	92,097	109,611	102,867	124,045	124,264	190,663
Florida	209,243	224,658	207,885	254,896	280,770	277,287	305,444	300,639
Georgia	207,852	218,107	201,000	262,536	288,643	266,581	316,744	338,027
Maryland	687,951	727,184	743,143	806,276	824,649	862,188	957,386	934,277
North Carolina	290,524	331,683	353,603	408,787	457,755	445,878	502,963	539,050
South Carolina	56,703	66,206	59,214	77,243	81,824	72,275	97,197	104,214
Virginia	149,990	182,738	195,492	217,570	232,752	253,802	260,660	271,477
West Virginia	26,618	33,335	31,333	46,241	48,752	80,190	54,660	49,102
East South Central, total	383,125	396,789	438,242	497,456	527,243	528,684	569,621	612,917
Alabama	140,658	146,708	154,052	187,193	194,653	198,278	213,348	237,819
Kentucky	46,023	52,185	58,015	62,736	73,224	77,019	83,905	86,452
Mississippi	56,130	55,340	62,282	62,751	65,489	71,937	72,120	76,768
Tennessee	140,314	142,556	163,893	184,776	193,877	181,450	200,248	211,878
West South Central, total	634,917	719,335	724,989	835,471	937,257	937,049	999,055	1,032,806
Arkansas	27,309	31,966	36,276	45,598	48,762	50,810	57,856	55,215
Louisiana	90,415	131,872	94,307	120,420	132,632	124,343	140,832	140,148
Oklahoma	49,959	51,175	51,831	57,937	78,338	65,831	77,091	77,956
Texas	467,234	504,322	542,575	611,516	677,525	696,065	723,276	759,487
Mountain, total	489,872	569,182	598,948	706,461	753,739	751,241	876,383	891,810
Arizona	111,731	125,424	128,532	143,136	160,028	159,687	197,655	203,517
Colorado	162,548	166,624	186,161	218,172	245,589	230,680	283,096	279,583
Idaho	13,007	18,473	15,077	26,653	20,400	21,557	26,502	20,487
Montana	13,435	15,688	19,210	23,923	28,948	30,352	34,933	36,546
Nevada	15,578	18,066	24,691	25,221	30,897	29,709	31,374	28,140
New Mexico	68,621	85,501	78,345	100,279	102,536	124,873	131,903	145,875
Utah	93,655	126,891	134,978	154,809	148,954	133,828	152,271	160,674
Wyoming	11,297	12,515	11,954	14,268	16,387	20,555	18,649	16,988

See explanatory information, if any, and SOURCE at end of table.

**Table B-3. Federal obligations for science and engineering to universities and colleges,
by geographic division and State: fiscal years 1988-95**

[Thousands of dollars]

Page 2 of 2

Geographic division and State	1988	1989	1990	1991	1992	1993	1994	1995
Pacific, total	1,626,363	1,878,974	1,931,058	2,094,372	2,282,661	2,240,770	2,460,946	2,641,196
Alaska	18,595	18,866	26,969	29,276	34,064	46,562	40,289	33,093
California	1,209,732	1,396,648	1,446,081	1,540,601	1,701,675	1,638,009	1,817,102	1,952,704
Hawaii	44,992	67,163	55,865	63,538	64,382	67,140	73,607	65,870
Oregon	115,135	139,654	124,739	149,258	157,190	159,513	163,475	189,259
Washington	237,909	256,643	277,404	311,699	325,350	329,546	366,473	400,270
Outlying Areas, total	34,073	38,713	57,175	47,073	51,882	49,436	64,674	61,478
American Samoa	665	660	1,223	1,291	1,223	1,233	1,299	1,311
Guam	2,440	2,669	3,091	3,262	2,878	3,334	3,427	4,256
Puerto Rico	27,087	31,638	48,968	38,504	43,412	39,650	54,801	50,127
Trust Territory of the Pacific Islands	1,783	1,663	1,835	1,933	1,964	2,247	2,323	2,584
Virgin Islands	2,098	2,083	2,058	2,083	2,405	2,972	2,824	3,200

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995

Table B-4. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1995: fiscal years 1988-95

[Thousands of dollars]

Page 1 of 2

Institution and ranking	1988	1989	1990	1991	1992	1993	1994	1995
Total, all institutions	9,136,277	10,076,017	10,445,417	11,835,370	12,749,593	12,751,061	13,774,695	14,346,042
1 Johns Hopkins University	584,369	604,567	607,259	649,007	660,675	701,118	764,025	729,177
2 U of Washington-Seattle	197,823	222,126	243,031	272,312	280,054	279,854	309,554	339,521
3 MA Inst of Technology	209,213	231,126	242,340	256,603	275,279	278,032	290,265	306,765
4 Stanford University	229,617	265,282	273,428	259,929	270,056	268,673	282,549	298,139
5 University of Michigan	161,627	182,243	193,155	218,167	233,782	233,908	263,243	268,126
6 U CA San Diego	147,737	176,420	174,762	195,440	214,975	217,412	245,663	255,851
7 U WI Madison	150,990	171,168	177,043	205,012	222,163	216,148	238,353	241,513
8 Cornell University	183,465	181,592	185,443	200,805	218,542	216,602	221,538	240,734
9 University of Minnesota	137,077	174,043	156,401	196,383	212,327	193,211	204,971	230,720
10 U CA Los Angeles	165,303	182,282	188,407	208,394	215,751	207,871	239,078	229,693
Total 1st 10 institutions	2,167,221	2,390,849	2,441,269	2,662,052	2,803,604	2,812,829	3,059,239	3,140,239
11 University of PA	130,853	145,478	157,169	186,678	193,366	201,928	209,073	220,029
12 California Inst of Tech	70,498	76,974	77,647	90,105	109,877	117,911	109,057	219,487
13 Harvard University	141,655	161,251	165,736	181,438	198,310	187,932	210,011	219,207
14 U CA San Francisco	158,726	171,384	180,398	191,275	209,638	187,598	217,505	215,359
15 Columbia U City New York	152,746	165,056	167,167	185,237	202,301	205,791	197,615	200,192
16 Yale University	148,912	162,017	157,955	171,710	190,388	182,404	200,781	195,677
17 Pennsylvania State U	136,545	135,192	155,811	166,986	176,046	210,865	208,286	188,598
18 University of Colorado	113,789	110,494	125,514	150,684	167,427	157,755	190,377	187,541
19 University of Pittsburgh	85,644	98,971	123,509	160,599	182,451	141,460	162,839	182,415
20 U CA Berkeley	120,153	147,578	139,261	162,359	185,338	162,396	182,719	181,307
Total 1st 20 institutions	3,426,742	3,765,244	3,891,436	4,309,123	4,618,746	4,568,869	4,947,502	5,150,051
21 Washington University	105,804	115,160	129,031	138,696	148,036	144,275	165,336	176,962
22 U NC Chapel Hill	91,137	105,334	113,418	128,809	151,515	141,698	165,083	171,245
23 Duke University	100,767	117,850	125,861	141,811	151,087	148,467	165,501	166,348
24 U Southern California	104,877	118,775	128,756	140,088	151,454	139,412	166,206	158,554
25 University of Arizona	80,679	92,224	101,897	108,050	122,610	121,160	157,855	152,488
26 U IL at Urbana-Champaign	111,783	120,659	120,878	136,044	142,329	138,354	146,581	145,930
27 Case Western Reserve U	67,718	74,430	77,149	93,937	94,254	96,798	108,212	135,492
28 U TX Austin	88,400	87,432	107,673	106,147	121,429	146,743	124,128	134,652
29 University of Chicago	95,204	100,914	101,048	114,390	118,031	111,924	114,674	127,404
30 U Alabama Birmingham	63,733	75,153	78,304	95,038	98,978	106,141	112,346	124,883
Total 1st 30 institutions	4,336,844	4,773,175	4,975,451	5,512,133	5,918,469	5,863,841	6,373,424	6,644,009
31 University of Rochester	101,127	106,183	110,524	122,363	132,965	131,252	125,863	119,975
32 Georgetown University	26,872	26,540	31,928	40,996	39,328	58,418	62,519	116,007
33 Ohio State University	76,241	86,055	93,961	99,596	109,413	104,657	114,754	116,001
34 Northwestern University	56,268	64,214	68,236	74,318	87,189	90,920	106,116	112,184
35 University of Utah	60,614	72,106	68,578	86,945	82,105	82,458	98,827	106,292
36 U MD College Park	61,992	70,824	76,607	87,724	88,747	85,730	97,518	105,852
37 U CA Davis	57,751	64,271	71,992	84,517	96,998	92,923	104,100	105,542
38 Vanderbilt University	65,121	71,263	79,794	86,834	93,010	89,140	98,139	104,165
39 University of Iowa	78,317	81,838	82,610	92,124	98,913	93,405	100,501	102,086
40 University of Florida	66,048	70,706	68,732	79,467	109,895	95,915	93,659	100,682
Total 1st 40 institutions	4,987,195	5,487,175	5,728,413	6,367,017	6,857,032	6,788,659	7,375,420	7,732,795
41 Georgia Institute of Tech	73,860	72,655	56,308	84,402	73,285	62,679	89,839	100,650
42 Indiana University	55,591	61,604	68,002	78,234	101,156	99,726	90,785	99,037
43 Michigan State University	64,010	69,762	73,555	78,909	91,702	98,658	86,963	96,263
44 Texas A&M University	61,589	65,185	69,374	78,795	90,504	90,042	87,727	93,620
45 Boston University	66,861	66,235	65,164	73,893	85,250	107,389	84,504	92,687
46 Baylor Col of Medicine	66,127	72,715	76,110	87,593	89,304	92,755	104,211	91,209
47 New York University	85,649	82,947	80,795	92,019	102,009	82,332	98,081	90,914
48 Purdue University	58,368	75,869	76,256	80,046	89,817	89,899	97,422	89,886
49 University of Virginia	51,203	57,292	66,690	76,251	86,007	86,929	84,471	89,305
50 Rutgers the St U of NJ	33,919	44,785	52,623	59,594	72,384	83,492	81,992	88,405
Total 1st 50 institutions	5,604,372	6,156,224	6,413,290	7,156,753	7,738,450	7,682,560	8,281,415	8,664,771

See explanatory information, if any, and SOURCE at end of table.

Table B-4. Federal obligations for science and engineering to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1995: fiscal years 1988-95

[Thousands of dollars]

Page 2 of 2

Institution and ranking	1988	1989	1990	1991	1992	1993	1994	1995
51 University of Miami	61,588	63,781	67,130	74,377	75,487	69,919	88,931	86,753
52 Emory University	52,231	48,030	51,169	61,596	68,164	67,482	78,294	84,828
53 NC State U Raleigh	47,126	58,935	58,929	63,505	77,955	71,590	72,875	84,655
54 Oregon State University	55,598	56,010	50,803	61,191	62,960	65,003	67,854	83,912
55 Carnegie Mellon U	75,901	60,277	52,344	55,474	67,580	78,287	70,030	83,276
56 University of New Mexico	23,720	29,015	23,327	37,680	43,387	60,999	74,407	83,155
57 U TX SW Med Ctr Dallas	50,233	52,642	54,616	59,837	63,950	65,314	77,368	78,776
58 Princeton University	49,153	51,396	55,366	58,149	62,373	65,389	67,326	78,242
59 SUNY at Stony Brook	44,760	44,406	50,890	54,173	61,976	62,504	66,489	75,876
60 U CA Irvine	42,997	50,199	57,166	55,090	66,369	64,050	69,565	71,578
Total 1st 60 institutions	6,107,679	6,670,915	6,935,030	7,737,825	8,388,651	8,353,097	9,014,554	9,475,822
61 Louisiana State U All Cmp	60,498	61,726	59,592	66,521	60,933	81,596	80,457	70,581
62 Woods Hole Oceanographic	35,299	69,486	53,690	54,118	75,329	66,821	68,281	69,967
63 VA Polytech Inst & St U	36,857	47,253	44,200	46,060	49,225	69,187	73,172	69,574
64 U MD Baltimore	32,926	35,918	42,798	51,061	54,644	52,466	64,373	69,262
65 Yeshiva University NY	71,603	75,132	72,469	77,415	77,808	67,942	76,114	69,095
66 Colorado State University	37,389	42,603	47,205	51,700	59,217	53,949	66,980	66,635
67 University of Kentucky	35,525	40,196	45,674	49,383	57,734	60,649	65,372	66,336
68 U CA Santa Barbara	32,565	41,978	45,373	48,427	51,433	54,855	64,875	63,678
69 University of Georgia	49,415	59,715	53,809	58,205	62,607	68,180	66,858	61,137
70 Iowa State University	33,020	39,047	45,737	52,611	51,250	56,984	71,813	58,126
Total 1st 70 institutions	6,532,776	7,183,969	7,445,577	8,293,326	8,988,831	8,985,726	9,712,849	10,140,213
71 U IL Chicago	43,153	46,266	45,412	50,547	50,882	58,450	64,197	57,799
72 CUNY Mt Sinai Schl of Med	49,252	42,970	45,387	51,345	52,529	45,262	55,583	57,728
73 University of Connecticut	44,984	46,446	49,259	51,205	51,502	61,392	52,171	55,020
74 U Hawaii Manoa	37,861	54,518	46,354	50,302	49,447	55,880	58,741	54,819
75 University of Cincinnati	40,048	43,623	42,840	57,676	59,651	56,185	55,436	54,785
76 Wake Forest University	28,964	28,512	30,149	39,585	40,480	42,526	56,784	54,109
77 Oregon Hlth Sciences U	21,592	51,861	42,390	45,507	47,288	52,299	53,524	54,104
78 U TX Hlth Sci Ctr S Anto	30,247	33,463	36,283	39,114	45,700	48,415	52,408	53,423
79 New Mexico State U	40,736	50,372	49,158	55,752	50,270	54,072	48,338	51,653
80 Virginia Commonwealth U	34,870	45,692	45,376	49,198	48,580	44,029	45,647	51,554
Total 1st 80 institutions	6,904,483	7,627,692	7,878,185	8,783,557	9,485,160	9,504,236	10,255,678	10,685,207
81 Wayne State University	26,717	28,953	29,491	35,948	44,365	42,735	49,279	51,023
82 U TX Hlth Sci Ctr Houstn	28,863	29,849	31,090	34,816	36,307	38,753	46,422	50,513
83 Thomas Jefferson U	18,465	21,242	23,353	27,711	34,914	39,635	47,199	50,211
84 U Med & Dent of NJ	35,064	34,417	39,183	42,685	42,451	53,773	54,295	49,695
85 U MA Amherst	0	0	0	0	37,443	40,237	41,682	48,251
86 U Missouri Columbia	33,350	35,006	37,359	40,219	50,980	41,967	47,100	48,236
87 U TX MD Anderson Cancer	29,943	29,202	31,805	36,001	41,546	43,219	49,500	46,712
88 Brown University	34,388	35,604	37,066	39,803	40,877	36,887	39,692	45,911
89 Washington State U	29,481	28,153	28,394	33,867	38,102	38,649	43,843	45,276
90 University of Kansas	28,560	28,258	32,775	42,330	43,128	36,427	37,809	44,402
Total 1st 90 institutions	7,169,314	7,898,376	8,168,701	9,116,937	9,895,273	9,916,518	10,712,499	11,165,437
91 Utah State University	29,426	50,835	60,922	61,827	60,360	44,002	45,689	44,213
92 Rockefeller University	39,429	37,014	37,279	42,660	39,281	36,528	43,716	43,955
93 Dartmouth College	26,003	25,139	32,905	38,103	42,506	43,641	41,498	42,747
94 Tulane University	18,333	48,420	22,571	25,032	34,068	27,629	41,344	42,453
95 Tufts University	37,234	40,240	41,128	43,797	47,324	49,179	47,407	41,982
96 Arizona State U Main	27,723	29,142	20,965	26,810	28,520	28,933	31,119	40,848
97 U Tennessee Knoxville	0	0	0	0	45,099	42,026	40,784	40,700
98 Mississippi State U	31,689	23,692	26,871	31,762	32,039	33,255	36,868	40,149
99 SUNY at Buffalo	36,350	40,906	42,655	46,379	48,498	38,110	45,479	40,102
100 Florida State University	26,115	29,381	29,152	47,245	38,788	41,966	38,790	39,978
Total 1st 100 institutions	7,441,616	8,223,145	8,483,149	9,480,552	10,311,756	10,301,787	11,125,193	11,582,564

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995

Table B-5. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1988-95

[Thousands of dollars]

Page 1 of 2

Geographic division and State	1988	1989	1990	1991	1992	1993	1994	1995
United States, total	7,719,237	8,523,952	9,008,083	10,031,252	10,845,509	10,943,370	11,806,116	12,068,442
New England, total	840,017	941,872	971,467	1,055,261	1,133,513	1,165,769	1,179,462	1,213,726
Connecticut	175,972	188,744	189,462	198,672	220,981	216,542	232,135	230,866
Maine	6,618	9,090	10,152	9,740	10,363	13,572	14,163	13,730
Massachusetts	545,068	629,070	635,952	698,233	750,045	784,055	781,635	808,492
New Hampshire	36,766	37,007	52,386	55,501	62,852	62,959	60,228	62,006
Rhode Island	47,349	49,525	51,828	55,243	56,281	52,785	56,200	64,059
Vermont	28,244	28,436	31,687	37,872	32,991	35,856	35,101	34,573
Middle Atlantic, total	1,352,552	1,449,666	1,529,911	1,722,528	1,815,725	1,837,890	1,958,878	1,959,696
New Jersey	104,853	120,932	139,264	150,569	162,478	187,236	201,657	210,162
New York	795,186	843,497	851,970	917,093	977,850	940,993	1,028,033	1,011,126
Pennsylvania	452,513	485,237	538,677	654,866	675,397	709,661	729,188	738,408
East North Central, total	1,017,478	1,138,247	1,195,813	1,342,300	1,434,882	1,459,330	1,602,232	1,618,582
Illinois	301,297	324,405	335,877	362,336	376,199	402,046	440,536	441,202
Indiana	111,779	131,315	137,754	155,882	178,443	172,670	178,422	180,901
Michigan	233,121	259,265	274,026	313,736	339,645	341,972	379,415	382,024
Ohio	210,593	238,131	250,885	291,113	305,189	307,340	329,040	351,946
Wisconsin	160,688	185,131	197,271	219,233	235,406	235,302	274,819	262,509
West North Central, total	428,857	472,065	519,933	598,788	642,100	635,670	675,400	728,416
Iowa	89,074	103,214	106,735	124,814	128,927	132,338	142,430	138,107
Kansas	37,228	39,105	44,005	50,895	59,542	62,468	57,070	63,877
Minnesota	123,621	133,439	141,711	172,991	179,822	171,428	187,049	205,949
Missouri	137,276	150,269	169,883	181,893	204,247	197,385	219,311	239,217
Nebraska	25,763	27,462	29,379	42,824	40,864	41,077	40,176	44,508
North Dakota	11,044	11,715	22,429	18,666	21,393	20,995	18,810	27,005
South Dakota	4,851	6,861	5,791	6,705	7,305	9,979	10,554	9,753
South Atlantic, total	1,387,350	1,481,274	1,578,357	1,756,223	1,914,712	1,970,323	2,158,991	2,213,170
Delaware	15,261	16,333	17,922	19,688	26,712	24,421	26,669	29,729
District of Columbia	72,668	71,761	78,658	91,879	87,079	109,857	111,571	152,637
Florida	185,626	196,397	180,487	217,377	242,438	230,017	260,285	258,454
Georgia	168,371	183,963	176,210	193,805	217,915	217,405	232,269	254,089
Maryland	522,341	514,747	588,465	622,221	670,737	687,298	778,083	747,160
North Carolina	246,688	287,838	305,690	340,513	384,413	385,188	429,547	450,130
South Carolina	35,595	38,927	42,668	54,996	60,296	56,957	71,678	72,810
Virginia	126,596	156,216	166,017	182,033	196,480	220,885	223,650	228,383
West Virginia	14,204	15,092	22,240	33,711	28,642	38,295	25,239	19,778
East South Central, total	290,579	312,589	337,519	393,861	424,616	423,725	449,484	485,591
Alabama	106,502	123,373	129,563	155,818	165,504	160,742	178,832	200,700
Kentucky	31,965	37,620	38,098	46,190	56,160	58,818	62,638	62,525
Mississippi	37,891	36,227	36,134	42,970	43,614	51,309	46,681	48,576
Tennessee	114,221	115,369	133,724	148,883	159,338	152,856	161,333	173,790
West South Central, total	517,088	590,849	593,853	677,292	780,022	780,203	831,500	849,920
Arkansas	15,599	19,643	23,537	25,785	29,492	32,467	37,544	37,812
Louisiana	61,456	100,418	68,774	101,680	105,391	96,200	122,099	104,579
Oklahoma	25,495	30,968	35,607	33,148	53,102	45,077	45,507	51,185
Texas	414,538	439,820	465,935	516,679	592,037	606,459	626,350	656,344
Mountain, total	412,409	480,321	533,751	590,747	643,843	671,285	734,216	725,070
Arizona	83,490	103,319	115,683	126,362	137,154	144,422	176,891	176,450
Colorado	145,900	147,301	168,905	185,613	213,474	208,487	240,566	239,805
Idaho	8,647	10,424	10,381	13,694	14,904	16,545	19,120	14,846
Montana	8,554	10,414	13,041	16,216	18,824	24,358	25,281	24,077
Nevada	13,856	16,188	23,022	21,909	25,062	24,865	27,328	23,734
New Mexico	56,238	74,209	70,081	86,483	88,916	112,115	101,821	93,902
Utah	86,648	108,117	122,907	129,584	132,803	123,154	130,214	140,661
Wyoming	9,076	10,349	9,731	10,886	12,706	17,339	12,995	11,595

See explanatory information, if any, and SOURCE at end of table.

**Table B-5. Federal obligations for science and engineering research and development to universities and colleges,
by geographic division and State: fiscal years 1988-95**

[Thousands of dollars]

Page 2 of 2

Geographic division and State	1988	1989	1990	1991	1992	1993	1994	1995
Pacific, total	1,457,359	1,637,196	1,725,685	1,868,719	2,026,715	1,970,010	2,181,025	2,243,516
Alaska	15,928	15,111	25,060	25,441	27,805	34,217	35,716	24,963
California	1,109,851	1,258,906	1,316,685	1,398,653	1,547,289	1,466,549	1,627,268	1,668,248
Hawaii	39,651	47,913	48,231	47,291	49,740	53,615	62,203	55,895
Oregon	91,133	90,801	95,927	124,579	123,692	130,083	137,848	153,428
Washington	200,796	224,465	239,782	272,755	278,189	285,546	317,990	340,982
Outlying Areas, total	15,548	19,873	21,794	25,533	29,381	29,165	34,928	30,755
American Samoa	365	290	592	657	680	679	668	665
Guam	1,096	1,193	1,320	1,325	1,656	1,438	1,722	1,951
Puerto Rico	12,354	16,561	18,000	21,650	25,099	24,864	30,187	25,461
Trust Territory of the Pacific Islands	642	777	829	853	779	974	983	1,133
Virgin Islands	1,091	1,052	1,053	1,048	1,167	1,210	1,368	1,545

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995

Table B-6. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1995: fiscal years 1988-95

[Thousands of dollars]

Page 1 of 2

Institution and ranking	1988	1989	1990	1991	1992	1993	1994	1995
Total, all institutions	7,719,237	8,523,952	9,008,083	10,031,252	10,845,509	10,943,370	11,806,116	12,068,442
1 Johns Hopkins University ¹	431,593	411,879	469,544	490,893	534,128	543,894	612,681	569,329
2 U of Washington-Seattle	181,301	203,691	217,214	245,288	245,428	246,035	275,905	299,631
3 MA Inst of Technology	187,558	207,157	218,283	232,619	249,852	253,612	267,404	282,120
4 Stanford University	210,572	239,847	247,992	237,842	246,589	249,575	262,438	266,744
5 University of Michigan	148,446	167,865	176,370	193,954	210,000	214,612	240,390	243,126
6 U CA San Diego	139,149	166,543	164,774	183,659	202,477	204,063	228,856	239,078
7 U CA Los Angeles	154,964	170,839	176,735	194,359	202,754	195,788	224,376	216,423
8 U WI Madison	131,186	150,474	155,175	179,079	192,414	190,469	207,625	207,504
9 University of Minnesota	119,831	128,727	137,458	168,854	177,182	167,311	179,848	202,354
10 Cornell University	134,493	139,954	144,749	156,151	162,331	174,122	194,482	202,077
Total 1st 10 institutions	1,839,093	1,986,976	2,108,294	2,282,698	2,423,155	2,439,481	2,694,005	2,728,386
11 U CA San Francisco	147,553	159,027	167,270	178,698	195,156	175,388	204,404	201,770
12 University of PA	120,029	132,805	142,509	169,352	178,002	187,281	190,296	197,229
13 Harvard University	125,242	141,760	148,055	161,719	176,967	169,173	190,125	191,499
14 Columbia U City New York	139,108	150,263	153,171	168,861	190,483	194,910	187,308	186,179
15 Yale University	135,421	146,245	142,483	152,513	172,304	169,151	182,754	179,542
16 University of Pittsburgh	79,380	91,712	116,581	151,545	168,451	135,678	156,582	171,303
17 University of Colorado	105,772	101,345	116,449	128,783	147,935	145,497	166,455	165,373
18 Washington University	95,368	102,974	117,907	125,282	134,336	133,210	149,860	165,373
19 U NC Chapel Hill	84,918	95,025	100,183	111,501	130,144	129,071	146,606	156,609
20 Duke University	92,763	108,611	116,109	128,098	139,864	138,839	154,649	154,998
Total 1st 20 institutions	2,964,647	3,216,743	3,429,011	3,759,050	4,056,797	4,017,679	4,423,044	4,498,261
21 Pennsylvania State U	105,443	119,435	136,438	144,400	148,172	173,070	185,239	152,382
22 U Southern California	99,399	114,766	122,705	133,074	141,449	125,297	149,909	152,179
23 U CA Berkeley	106,844	131,070	121,674	135,393	154,708	133,232	150,803	142,338
24 University of Arizona	65,258	82,913	92,824	95,206	106,229	107,819	144,036	137,014
25 Case Western Reserve U	62,989	69,589	71,256	87,747	88,518	89,608	99,483	127,750
26 U Alabama Birmingham	59,933	70,702	74,529	90,355	94,055	90,737	104,409	120,191
27 U TX Austin	84,400	84,619	91,843	95,063	110,616	117,225	103,155	115,882
28 U IL at Urbana-Champaign	95,748	100,062	99,742	110,509	111,615	116,116	119,674	115,717
29 California Inst of Tech	65,982	69,335	69,228	80,585	97,956	87,702	83,772	113,684
30 University of Rochester	94,885	98,550	102,453	103,510	103,020	98,935	108,638	107,604
Total 1st 30 institutions	3,805,528	4,157,784	4,411,703	4,834,892	5,213,135	5,157,420	5,672,162	5,783,002
31 University of Chicago	84,668	90,611	88,486	97,949	98,668	99,378	102,363	106,723
32 Northwestern University	53,105	57,494	61,100	67,725	81,553	82,636	99,896	102,561
33 U CA Davis	55,239	60,100	68,859	79,199	90,500	84,495	98,856	98,932
34 Ohio State University	62,946	72,702	80,066	82,106	90,377	84,121	93,611	96,429
35 Vanderbilt University	58,389	63,978	70,585	76,443	84,390	82,091	87,238	94,421
36 University of Iowa	72,309	76,059	76,762	85,113	92,133	87,875	94,500	93,867
37 University of Utah	56,686	61,361	65,250	71,966	76,441	77,407	84,896	93,783
38 U MD College Park	54,580	60,252	64,723	72,115	71,868	76,300	80,617	92,701
39 Indiana University	52,664	55,449	61,435	69,205	88,348	81,374	82,941	89,030
40 Georgetown University	25,230	24,728	28,740	37,668	36,514	56,523	61,119	88,469
Total 1st 40 institutions	4,381,344	4,780,518	5,077,709	5,574,381	6,023,927	5,969,620	6,558,199	6,739,918
41 Boston University	53,930	60,029	59,380	67,153	79,255	102,642	77,844	86,090
42 New York University	79,516	77,761	75,749	86,150	96,349	77,694	92,762	85,543
43 Baylor Col of Medicine	63,117	69,499	72,260	82,849	84,947	88,276	98,514	84,076
44 University of Florida	55,748	58,696	55,498	63,270	92,533	77,341	73,037	83,702
45 University of Miami	58,241	60,135	63,707	68,511	71,329	67,315	83,694	80,703
46 Carnegie Mellon U	74,577	57,605	50,025	50,167	63,586	74,865	66,468	80,227
47 University of Virginia	46,045	51,990	60,796	66,916	77,182	79,221	76,395	79,311
48 Emory University	50,889	45,840	49,581	57,385	65,424	64,526	75,391	75,763
49 U TX SW Med Ctr Dallas	46,645	48,591	50,504	55,878	60,673	61,269	72,361	75,607
50 Georgia Institute of Tech	55,472	60,934	54,250	56,008	45,833	60,577	51,372	75,556
Total 1st 50 institutions	4,965,524	5,371,598	5,669,459	6,228,668	6,761,038	6,723,346	7,326,037	7,546,496

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Federal obligations for science and engineering research and development (R&D) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received in fiscal year 1995: fiscal years 1988-95

[Thousands of dollars]

Page 2 of 2

Institution and ranking	1988	1989	1990	1991	1992	1993	1994	1995
51 Princeton University	45,365	47,037	50,474	51,233	55,524	59,871	62,041	71,904
52 Rutgers the St U of NJ	28,645	36,241	44,642	45,852	57,574	70,059	65,606	71,469
53 Purdue University	45,907	62,751	62,572	64,543	71,298	74,920	77,870	71,321
54 SUNY at Stony Brook	41,905	41,251	45,868	50,403	57,915	58,590	61,832	70,047
55 Michigan State University	50,891	54,382	56,619	62,793	70,464	67,666	68,392	69,175
56 Woods Hole Oceanographic	35,285	67,289	50,751	50,891	72,601	61,399	66,791	67,124
57 U CA Irvine	40,947	47,303	53,429	51,046	63,114	61,567	66,191	67,079
58 U MD Baltimore	31,322	34,648	41,100	48,125	51,943	49,992	61,050	65,906
59 Yeshiva University NY	67,096	68,553	67,045	72,115	73,413	64,627	71,337	64,692
60 Oregon State University	40,988	42,562	44,473	51,297	52,253	53,999	53,854	60,995
Total 1st 60 institutions	5,393,875	5,873,615	6,186,432	6,776,966	7,387,137	7,346,036	7,981,001	8,226,208
61 U CA Santa Barbara	31,878	37,444	41,661	44,469	49,055	51,459	60,008	59,737
62 NC State U Raleigh	31,743	43,466	43,900	43,697	55,126	50,661	49,998	59,345
63 Texas A&M University	43,216	44,928	47,221	52,367	58,778	65,174	58,163	55,729
64 VA Polytech Inst & St U	27,265	35,347	32,239	32,648	36,687	57,141	60,236	54,607
65 CUNY Mt Sinai Schl of Med	35,220	40,873	43,954	50,037	51,178	43,638	53,533	54,403
66 Colorado State University	32,164	36,120	40,820	43,671	50,486	46,360	56,550	53,894
67 Louisiana State U All Cmp	38,882	39,088	40,886	55,952	46,206	58,197	67,690	51,676
68 U IL Chicago	39,779	43,271	42,293	46,517	47,144	55,202	60,139	51,428
69 University of Cincinnati	37,430	40,996	38,364	51,490	53,039	51,936	52,371	51,186
70 U TX Hlth Sci Ctr S Anto	28,017	31,534	33,306	36,999	44,186	44,987	48,910	50,347
Total 1st 70 institutions	5,739,469	6,266,682	6,591,076	7,234,813	7,879,022	7,870,791	8,548,599	8,768,560
71 University of New Mexico	20,136	24,835	20,132	32,446	38,624	55,827	58,306	50,032
72 Wake Forest University	27,572	27,314	29,019	35,224	36,901	37,768	51,789	49,485
73 U TX Hlth Sci Ctr Houstn	27,547	28,591	29,943	33,381	35,209	37,465	44,846	48,325
74 Oregon Hlth Sciences U	20,670	23,231	25,344	43,481	35,293	37,898	48,890	48,090
75 University of Kentucky	24,401	28,829	29,288	35,914	45,219	46,594	48,581	47,985
76 Thomas Jefferson U	17,529	19,583	22,195	26,068	33,405	38,180	45,066	47,843
77 U Hawaii Manoa	33,044	36,693	40,049	38,814	41,139	47,254	50,628	47,709
78 Wayne State University	24,680	26,945	27,689	33,280	40,171	40,172	45,430	47,237
79 University of Connecticut	38,167	39,761	43,589	42,860	43,477	42,992	44,797	46,914
80 U Med & Dent of NJ	25,647	32,369	38,066	41,465	41,046	41,788	52,020	46,067
Total 1st 80 institutions	5,998,862	6,554,833	6,896,390	7,597,746	8,269,506	8,296,729	9,038,952	9,248,247
81 U TX MD Anderson Cancer	28,408	27,772	30,650	34,693	40,442	42,602	48,434	45,457
82 Virginia Commonwealth U	32,413	42,684	42,678	46,324	45,448	40,568	41,572	44,975
83 Rockefeller University	37,317	35,586	35,423	39,718	37,512	35,184	42,406	42,702
84 Brown University	31,367	33,000	33,342	36,015	35,819	34,483	36,998	42,065
85 Iowa State University	15,955	25,987	28,915	34,028	34,054	41,468	45,780	41,836
86 University of Georgia	37,190	45,627	39,759	42,455	46,752	51,903	48,882	41,234
87 U MA Amherst	0	0	0	0	31,311	35,227	33,628	41,116
88 Dartmouth College	24,095	24,065	31,409	36,042	40,035	41,349	40,051	40,684
89 University of Kansas	23,179	23,380	27,212	28,341	34,480	33,522	34,886	38,777
90 Florida State University	24,845	28,021	27,531	45,334	36,794	26,847	37,801	37,630
Total 1st 90 institutions	6,253,631	6,840,955	7,193,309	7,940,696	8,652,153	8,679,882	9,449,390	9,664,723
91 Tulane University	17,240	46,873	21,729	24,276	33,039	27,238	40,907	37,440
92 Utah State University	26,696	43,219	52,740	52,338	50,608	38,841	38,385	37,038
93 U MA Worcester	0	0	0	0	37,937	34,574	37,460	36,544
94 U TX Med Brnch Galveston	22,154	23,096	20,404	25,272	29,238	28,616	31,445	36,345
95 New Mexico State U	33,214	44,210	45,177	48,578	42,619	47,265	37,287	35,680
96 SUNY at Buffalo	29,884	33,934	36,291	39,895	40,287	31,455	37,932	34,243
97 University of Vermont	27,914	28,157	31,402	37,294	32,272	33,915	34,889	33,890
98 Arizona State U Main	16,133	17,719	19,176	24,445	23,421	27,310	25,334	32,912
99 Tufts University	35,341	38,566	39,142	41,585	44,355	45,015	45,144	32,895
100 U Missouri Columbia	21,209	23,042	25,258	26,537	38,005	28,511	29,320	31,973
Total 1st 100 institutions	6,483,416	7,139,771	7,484,628	8,260,916	9,023,934	9,022,622	9,807,493	10,013,683

¹ See Technical Notes, "Scope of Survey."

NOTE: Does not include R&D obligations to university-administered federally funded research and development centers. See tables B-38 and B-39.

SOURCE: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1995